



## Endemic Hansen's Disease in Louisiana -2001

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## ***Endemic Leprosy in Louisiana- 2001***

Of the 15 total Hansen's disease cases reported from Louisiana in 2001, 13 are identified as endemic cases. A determination that a case is endemic is made when Louisiana is listed as the state of birth, and the individual resides in the state at the time of diagnosis. The following table summarizes these reported cases:

<i>2001 Louisiana Endemic Hansen's Disease Cases</i>				
<i>Gender</i>	<i>Resident Parish</i>	<i>Race</i>	<i>ICD-9-CM Code</i>	<i>Age at Diagnosis</i>
FEMALE	BEAUREGARD	BLACK, NOT OF HISPANIC ORIGIN	030.1	41.4
FEMALE	AVOYELLES	WHITE, NOT OF HISPANIC ORIGIN	030.0	51.9
FEMALE	ALLEN	WHITE, NOT OF HISPANIC ORIGIN	030.0	47.3
FEMALE	GRANT	WHITE, NOT OF HISPANIC ORIGIN	030.3	54.4
MALE	CADDO	WHITE, NOT OF HISPANIC ORIGIN	030.0	67.2
MALE	IBERIA	BLACK, NOT OF HISPANIC ORIGIN	030.0	20.1
MALE	JEFFERSON	WHITE, NOT OF HISPANIC ORIGIN	030.1	36.2
MALE	VERMILLION	WHITE, NOT OF HISPANIC ORIGIN	030.0	79.5
MALE	LAFAYETTE	WHITE, NOT OF HISPANIC ORIGIN	030.0	57.5
MALE	LA SALLE	WHITE, NOT OF HISPANIC ORIGIN	030.2	61.2
MALE	CALCASIEU	WHITE, NOT OF HISPANIC ORIGIN	030.3	88.2
MALE	TERREBONNE	WHITE, NOT OF HISPANIC ORIGIN	030.2	41.8
MALE	ACADIA	WHITE, NOT OF HISPANIC ORIGIN	030.0	40.6

Four (30.8%) of the endemic cases were female and 9 (69.2%) were male. Eleven (84.6%) of these cases were Caucasian and two (15.4%) were black. The distribution of these cases by disease classification closely paralleled that seen for all reported cases in 2001 with 7 (53.8%) lepromatous cases and 2 (15.4%) cases each for the tuberculoid, borderline, and indeterminate categories. Thus there were 9 (69.2%) multibacillary and 4 (30.8%) paucibacillary endemic cases. These endemic Louisiana cases tended to be older than that reported nationally with a respective mean and median diagnosis age of 52.8 and 51.9 years, and a range of 20.1 to 88.2 years. All other cases reported in 2001 showed a mean, median and range of age at diagnosis of 41.7, 41.1, and 7.1 to 85.1 years respectively. This difference in the mean age at diagnosis for the endemic Louisiana cases and the rest of the cases reported in 2001 is statistically significant ( $p < 0.0303$ ).

Geographically, these 13 endemic Louisiana cases came from 13 different parishes. The map below illustrates the distribution of these cases by parish. While these cases were widely distributed throughout the state, most of the cases were concentrated in the southern one-half of the state. This is consistent with the distribution of cases reported in other years with more cases being reported from southern Louisiana.

